



NOTE:  
DIMENSIONS IN [ ] ARE MILLIMETERS  
AND FOR REF. ONLY

1	(2) 1/4 - 20 TAPPED HOLES ADDED	BY	CHKD	DATE
SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC.	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER P4310203- 01		
TOLERANCES		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DECIMALS		DRAWN BY MUSCIA		
ANGULAR		DATE 9/16/98		
X ± .1 [2.5]		CHIEF DESIGN ENGINEER SHU		
XX ± .01 [0.25]		DATE 10/21/98		
XXX ± .005 [0.13]		GP. LEADER KUZAY		
SURFACE ROUGHNESS 125		DATE 10/21/98		
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		PROJECT MGR. SHU/MUSCIA		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46		DATE 9/16/98		
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14		APPROVED/RELEASED D. SHU		
DATE 10/21/98		DATE 10/21/98		
MATERIAL 304 STAINLESS STEEL		SCALE HALF		
DO NOT SCALE DRAWING		SIZE B		
		DRAWING NUMBER P4- 310203- 01		
		SHEET 1 of 1		

ADVANCED PHOTON SOURCE  
P4- 30 INTEGRAL SHUTTER  
FOR 4- ID- A  
UNDULATOR STOP  
CARRIAGE BOTTOM PLATE